Data Sheet (Cat.No.TMAY-02027)

TargetMol

Anti-VNN2 Antibody (9J30)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	9J30
Purification:	Protein A

Applications

Verified Activity:	Flow cytometric analysis of Human VNN2 expression on human whole blood monocytes (left panel) and granulocytes (right panel). Cells were stained with purified anti-Human VNN2, then a FITC-conjugated second step antibody. The histograms were derived from gated events with the forward and side light-scatter characteristics of viable monocytes and granulocytes.
Application:	ELISA,ELISA(Cap),FCM
Recommended	ELISA: 1:1000-1:2000; FCM: 1:25-1:100; ELISA(Cap): 1:250-1:2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human VNN2 protein (TMPY-01614)
Antigen Species:	Human
Synonyms:	VNN2;GPI-80;FOAP-4;vanin 2

Research Background

Vascular non-inflammatory molecule 2, also known as glycosyl-phosphatidyl inositol-anchored protein GPI-8, Vanin-2, Protein FOAP-4 and VNN2, is a cell membrane protein that belongs to the CN hydrolase family and Vanin subfamily. VNN2 is widely expressed with higher expression in spleen and blood. VNN2 is a member of the vanin family of proteins which share extensive sequence similarity with each other, and also with biotinidase. The family includes secreted and membrane-associated proteins, a few of which have been reported to participate in hematopoietic cell trafficking. No biotinidase activity has been demonstrated for any of the vanin proteins, however, they possess pantetheinase activity, which may play a role in oxidative-stress response. VNN2 is an amidohydrolase that hydrolyzes specifically one of the carboamide linkages in D-pantetheine thus recycling pantothenic acid (vitamin B5) and releasing cysteamine. It is involved in the thymus homing of bone marrow cells. VNN2 plays a role in transendothelial migration of neutrophils and may regulate beta-2 integrin-mediated cell adhesion, migration and motility of neutrophil.

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